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Self-Organization and Associative Memory

By Teuvo

Kohonen

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Self-Organization and Associative Memory

By Teuvo Kohonen

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associative memory which can reconstruct complete representations such as images and signal patterns from their fragments or other cues; and the second flaw of the early models was that the importance of the spatial order of the processing units was never fully realized. It seems, however, that in the biological brain, a significant information representation is embedded in

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Key terms

pseudoinverse, synapses, neuron, content-addressable memory, neural networks, orthogonal projection, holographic memory, linearly independent, hologram, idempotent, pyramidal cells, hypersphere, Voronoi tessellation, subspace, inner product, stochastic approximation, matrix norm, logic gates, eigenvectors, Hamming distance

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